

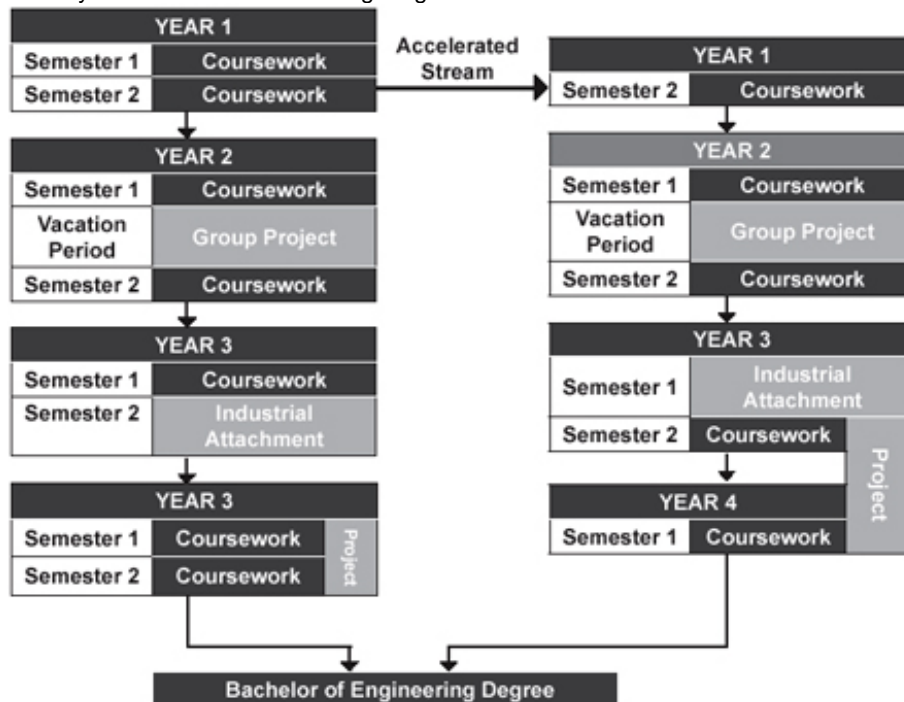
1.3.1 Degree programmes and requirements

Undergraduate study

1. Bachelor of Engineering (Computer Engineering)
2. Bachelor of Engineering (Computer Science)
3. Bachelor of Engineering (Computer Science) and Bachelor of Business (Information Technology) [Double degree programme with NBS]
4. Bachelor of Engineering (Computer Engineering) and Bachelor of Arts (Honours) in Economics
5. Bachelor of Engineering (Computer Science) and Bachelor of Arts (Honours) in Economics
6. Integrated Bachelor of Engineering (Computer Science) awarded by NTU and Master of Science (Computer Science) awarded by Georgia Institute of Technology

Curriculum structure of the B.Eng. (Computer Engineering) and B.Eng. (Computer Science) (applicable to students matriculating in 2005 and after)

- Four years full-time for the B.Eng. degree.



- First Class Honours
- Second Upper Honours
- Second Lower Honours
- Third Class Honours
- Pass

By choosing a combination of prescribed elective courses in the fourth year, students may achieve specialisation in areas such as:

Computer Engineering

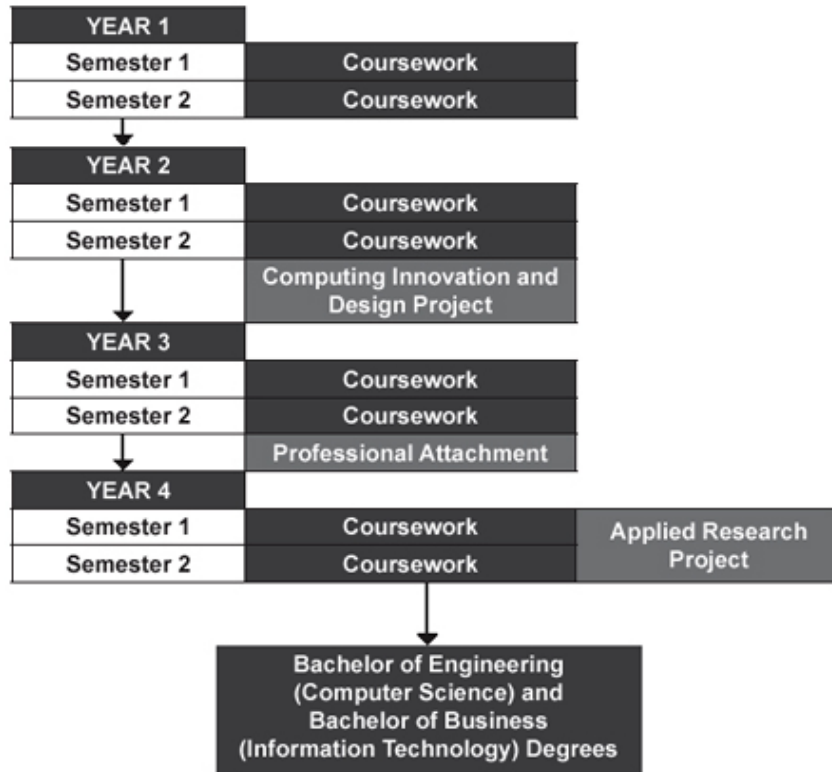
- Computer Communications and Networks
- Interactive Digital Media
- Embedded Systems
- High Performance Computing
- Information Systems
- Intelligent Systems

Computer Science

- Intelligent Systems
- Software Engineering
- Information Management
- Computer Communications and Networks
- Interactive Digital Media
- High Performance Computing
- Comprehensive hands-on training is provided through formal laboratory work, Group Project, and an individual final-year project
- Varying durations of Industrial Attachment with a private or public organisation, locally or overseas, are available

Curriculum structure of the double degree programme in B.Eng. (Computer Science) and B.Bus. (Information Technology) Business and Computer Science

- The double degree may be completed in four years and consists of a hybrid curriculum merging business and computing courses.
- A holistic approach is presented with specialised electives, projects in Year 2 and 4, and Professional Attachment in Year 3.

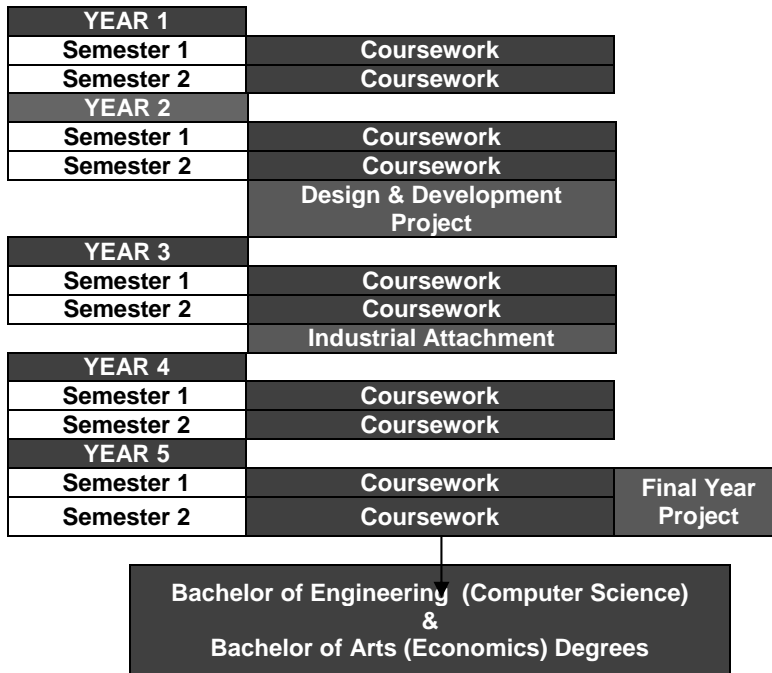


- **First Class Honours**
- **Second Upper Honours**
- **Second Lower Honours**
- **Third Class Honours**
- **Pass**

Curriculum structure of the double degree honours programme in:

B.Eng. (Computer Engineering) and B.A. (Economics)
B.Eng. (Computer Science) and B.A. (Economics)

The double degree honours programme can be completed in five years.

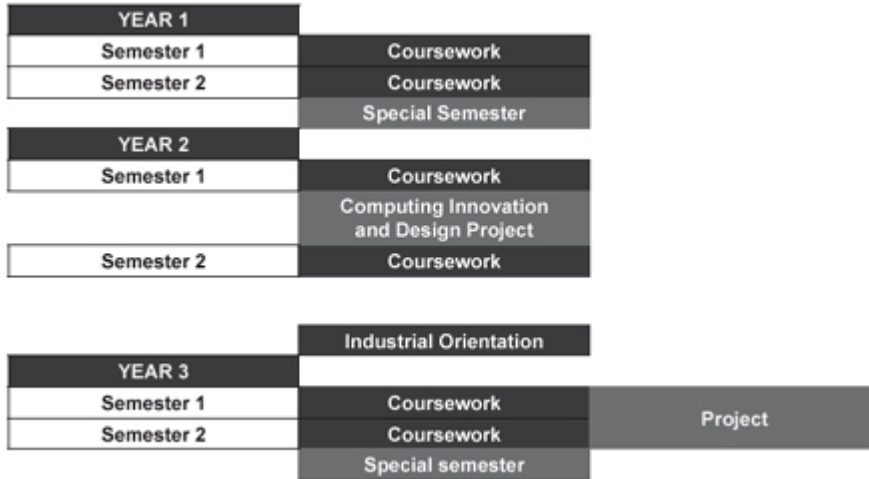


- **First Class Honours**
- **Second Upper Honours**
- **Second Lower Honours**
- **Third Class Honours**
- **Pass**

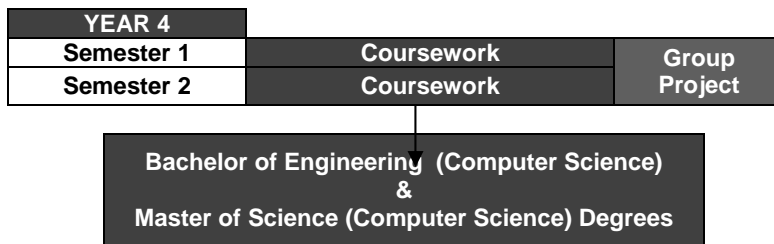
Curriculum structure of the Integrated B.Eng (Computer Science) and M.S. (Computer Science)

- The integrated programme can be completed in four years.
- Students will spend the first three years at SCE. There will be opportunities to select from a myriad of undergraduate-level courses including computer game programming, intelligent systems, and network security. The subsequent year or year and a half at Georgia Institute of Technology, will be spent reading graduate-level courses, and going into an in-depth study of their chosen specialisations.

Integrated programme curriculum structure



At Georgia Institute of Technology, USA



- The diversity and flexibility of the curriculum allows students to have a comprehensive all-rounded education with a global perspective.